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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/724,702	12/02/2003	Shun-Yuan Tsai		1981
7590	11/14/2005		EXAMINER	
Spire Environmental Protection Technologies., Ltd. P.O. Box No. 6-57 Junghe Taipei, 235 TAIWAN			LECHERT JR, STEPHEN J	
			ART UNIT	PAPER NUMBER
			1732	
			DATE MAILED: 11/14/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/724,702	TSAI, SHUN-YUAN	
	Examiner	Art Unit	
	Stephen J. Lechert Jr.	1732	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 07 September 2005.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) 6 and 7 is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-5 is/are rejected.
- 7) Claim(s) 2-5 is/are objected to.
- 8) Claim(s) 1-7 are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 02 December 2003 is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____.
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: _____.

DETAILED ACTION

- 1. Applicant's election without traverse of Group I, claims 1-5 in the reply filed on 9-7-2005 is acknowledged. Claims 6-7 have been withdrawn from further consideration.**
- 2. Action on the merits of claims 1-4 follows:**
- 3. Claim 1 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. In claim 1, it is unclear what the steps of the method include and how the method is done. For example, in claim 1, applicant recites "taking aluminum residue ash a raw material." Then a calcination and stabilization step is performed, but it is unclear what is being calcined or stabilized. In step c) applicant again recites manufacturing a fireproofing material from raw material. Is the fireproofing material, made from the calcined stabilized aluminum residue ash? Or, is the aluminum residue ash made into a fireproofing material without calcining or stabilizing. Suitable explanation and correction is required.**

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4. Claims 2-5 are objected to as being dependent upon a rejected base claim.

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

6. Claims 1-5 are rejected under 35 U.S.C. 102(b) as being anticipated by Cherdron et al.

Cherdron et al. teach a method of performing a sintering step on an aluminum oxide containing composition to produce, after grinding a quality fireproofing product. Cherdron et al. exposes an aluminum oxide composition to sintering. The aluminum oxide composition, reads on applicant's aluminum residue ash according to the definition given by applicant in the specification. The aluminum oxide is then subjected to sintering which exposes the aluminum oxide to a high temperature which would calcine and stabilize the aluminum oxide, thus producing a pellet. The pellet is thereafter ground and then the

ground calcined stabilized aluminum oxide composition is then used

as a fireproofing material. [Note Column 1, paragraph 3]

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. JP 2005-89267 does not qualify as prior art but discloses an aluminum oxide composition which is subjected to high temperature thus producing a refractory material capable of fireproofing a furnace.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen J. Lechert Jr. whose telephone number is 571-272-1203. The examiner can normally be reached on 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael P. Colaianni can be reached on 571-272-1196. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Stephen J. Lechert Jr.
Stephen J. Lechert Jr.
Primary Examiner
Art Unit 1732